

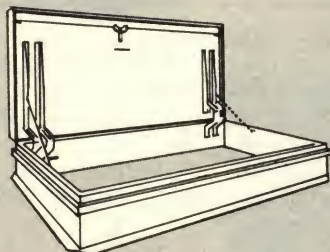
BABCOCK - DAVIS

Established in 1909

MANUFACTURERS OF "EASY ACCESS" HATCHES

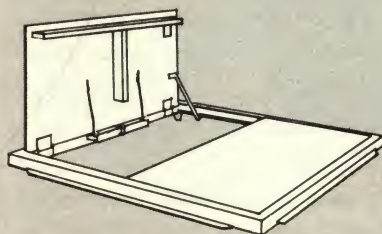
PRODUCT

PAGE NUMBER



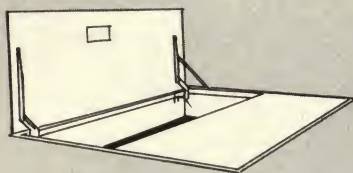
ROOF HATCHES

2 - 3 - 4 - 5



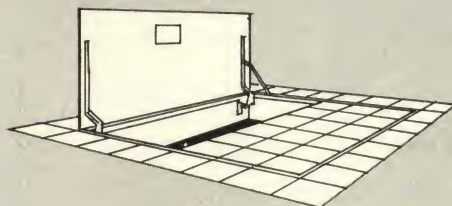
GUTTER-TYPE SIDEWALK HATCHES

6



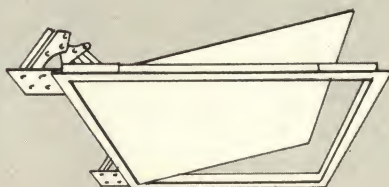
FLUSH FLOOR HATCHES

6 - 7



FLUSH-TILE FLOOR HATCHES

7



CEILING HATCHES

8

BABCOCK-DAVIS ASSOCIATES INC.

474 DORCHESTER AVENUE • BOSTON 27 • MASSACHUSETTS

BABCOCK-DAVIS ASSOCIATES INC.

474 DORCHESTER AVENUE • BOSTON 27 • MASSACHUSETTS

DESCRIPTION

BABCOCK-DAVIS

ORIGINATORS AND MANUFACTURERS
OF B-D EASY-ACCESS HATCHES

The Babcock-Davis roof hatch was developed to fill the need for a scientifically designed, mechanically efficient closure which would provide immediate access to both flat and sloping roofs. Easily and economically installed, B-D easy-access hatches are in use throughout the nation in commercial, institutional, industrial, and governmental buildings.

ADVANTAGES

- LOW IN COST
- EASY TO OPERATE
- WATERTIGHT
- FIREPROOF
- REQUIRES ONLY A ROOF OPENING FOR INSTALLATION
- COUNTER FLASHED FOR EASE OF INSTALLING ROOF FLASHING
- PRE-FABRICATED AS A UNIT
- GALVANIZED HATCHES HOT-DIPPED AFTER FABRICATION
- LATCH RELEASE OPENS ROOF HATCH FROM OUTSIDE
- OPTIONAL CONSTRUCTION PERMITS LOCKING FROM EITHER INSIDE OR OUTSIDE

COMPENSATING HINGE

To ensure ease in opening and closing the hatch cover, the compensating hinges are designed to maintain constant tension. After the initial lift, the heavy spring hinges open the hatch cover. The automatic locking bar secures it in an open or closed position.

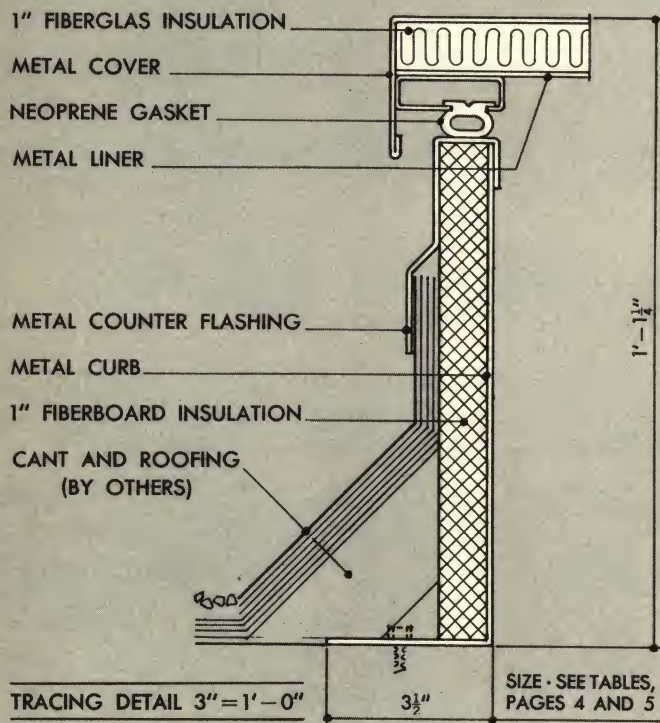
CONSTRUCTION

Every B-D roof hatch is a factory-assembled metal unit of finest workmanship and durability. See pages 4 and 5 for the various materials available.

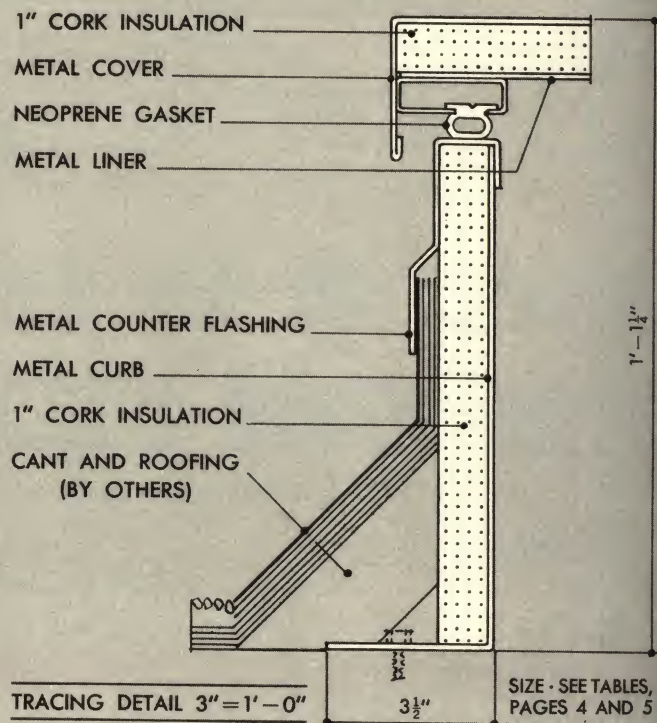
SIZES

Roof hatches are mass produced in six standard sizes, as scheduled on pages 4 and 5. When specified, roof hatches will be made in special sizes, up to a maximum of 10 feet wide by 20 feet long.

FIBERGLAS INSULATED COVER

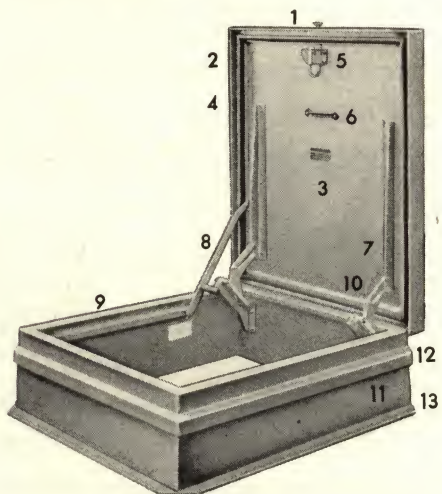
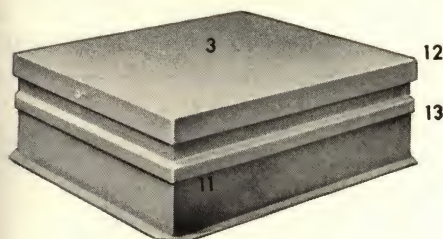


CORK INSULATED COVER AND CURB



EASY ACCESS **roof hatches**

16j
Ba

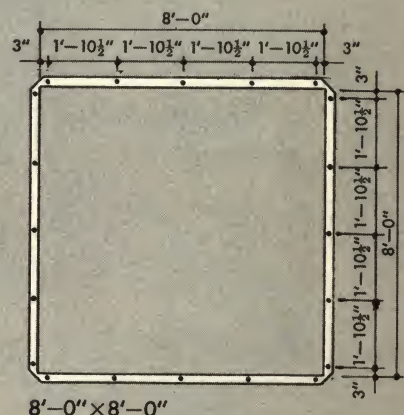
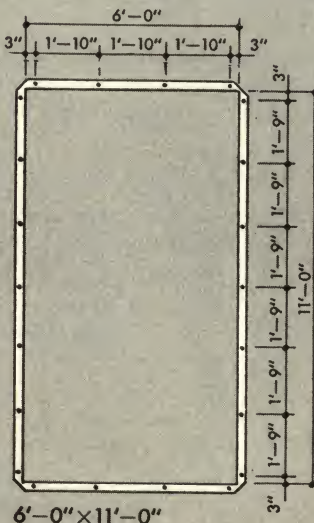
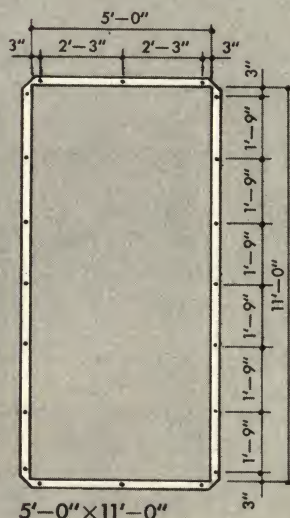
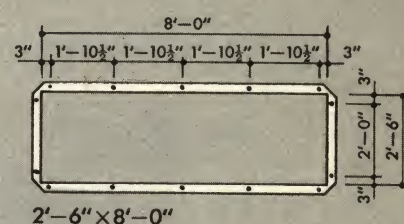
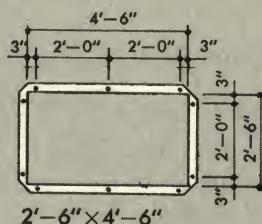
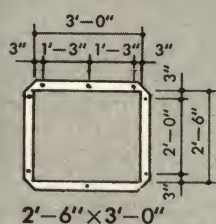


THE DESIGN AND CONSTRUCTION FEATURES

1	OUTSIDE LATCH RELEASE	No one can be locked out by chance.
2	NEOPRENE GASKET	A dustproof, draftproof, weather tight seal.
3	ONE PIECE METAL TOP	Hemmed on the four edges with welded corners to make a neat, durable, and rigid unit. Choice of Fiberglas or cork insulation.
4	REINFORCING CHANNEL	Stiffens cover and holds neoprene gasket.
5	SPRING LATCH AND PADLOCK LUG	Receives padlock, supplied by others, to lock cover in closed position.
6	HANDLE	For opening and closing cover.
7	LONG HINGE LEAF	Stiffens cover and distributes weight equally.
8	AUTOMATIC LOCKING BAR	Locks cover in open position against wind. Releases manually for closing.
9	CAP AND COUNTER FLASHING	With corners welded and ground smooth to form rigid unit. Serves as grab bar. Will not tear clothing.
10	COMPENSATING SPRING HINGE	Heavy, cadmium-plated spring hinges maintain tension for ease in opening and closing.
11	METAL CURB	Insulated with fiberboard or cork.
12	COUNTER FLASHING	Integrated with cap and curb. Roof flashing (by others) slips up under counter flashing to ensure weather tightness.
13	3 1/2" ROOF FLANGE	Can be nailed or bolted to roof surface.

SPECIFICATION ON PAGE 5

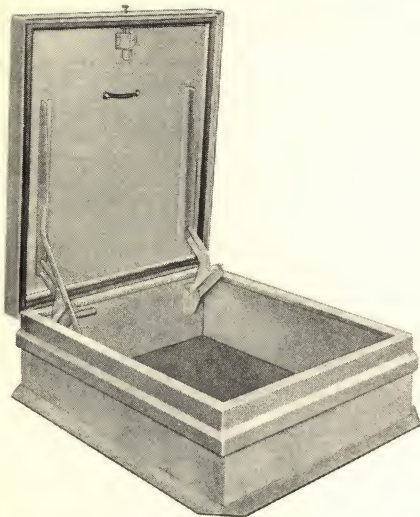
STANDARD ROOF HATCH CURBS SHOWING LOCATION OF BOLT HOLES



TRACING DETAILS $\frac{3}{16}" = 1'-0"$

BABCOCK-DAVIS ASSOCIATES INC.

474 DORCHESTER AVENUE • BOSTON 27 • MASSACHUSETTS

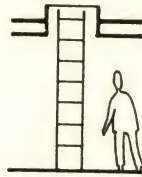


Single-leaf hatches are for use where normal access openings are required. They are manufactured in a combination of standard materials and sizes. Special materials and sizes up to 5' by 20' also available. Aluminum covers are recommended for sizes larger than 2'-6" by 11'.

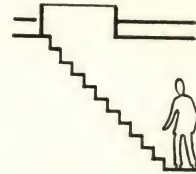
SINGLE-LEAF TYPE • STANDARD MODELS

COMPLETE, READY TO INSTALL

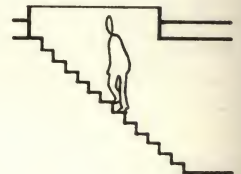
SPECIFY BY MODEL NUMBER



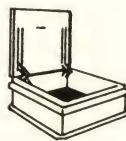
LADDER



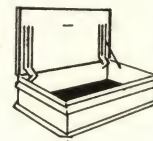
STEEP STAIRS



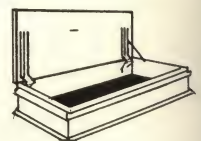
NORMAL STAIRS



2'-6" by 3'-0"



2'-6" by 4'-6"



2'-6" by 8'-0"

MATERIALS AND MODEL NUMBERS

	COVER INSULATION		COVER INSULATION		COVER INSULATION	
	FIBERGLAS	CORK	FIBERGLAS	CORK	FIBERGLAS	CORK
SHEET STEEL COVER AND CURB, PRIME PAINTED						
Shipping Weight	6-101 178 lb	4-101 178 lb	6-201 230 lb	4-201 230 lb	6-301 320 lb	4-301 320 lb
*GALVANIZED STEEL COVER AND CURB						
Shipping Weight	6-102 178 lb	4-102 178 lb	6-202 230 lb	4-202 230 lb	6-302 320 lb	4-302 320 lb
ALUMINUM COVER AND *GALVANIZED STEEL CURB						
Shipping Weight	6-103 140 lb	4-103 140 lb	6-203 180 lb	4-203 180 lb	6-303 260 lb	4-303 260 lb
ALUMINUM COVER AND CURB						
Shipping Weight	6-104 102 lb	4-104 102 lb	6-204 140 lb	4-204 140 lb	6-304 200 lb	4-304 200 lb
COPPER COVER AND CURB						
Shipping Weight	6-105 178 lb	4-105 178 lb	6-205 230 lb	4-205 230 lb	6-305 320 lb	4-305 320 lb

*Hot Dipped after Fabrication

OPTIONAL FEATURES FOR ALL ROOF HATCHES



SMOKE VENT

Any standard or special roof hatch may be equipped with an Underwriter's approved fusible link which releases at 160°F to provide an escape for smoke and gases. The cover will operate manually from inside or outside without disturbing the fusible link.

ADD LETTER **V** TO MODEL NUMBER TO SPECIFY SMOKE VENT. EXAMPLE: 6-102 V



PLEXIGLAS PANEL

Any standard or special roof hatch may be equipped with a 18" by 24" panel of clear $\frac{3}{16}$ " Plexiglas. The panel is contoured to shed water and is clamped tightly over the cover aperture to provide complete weather tightness.

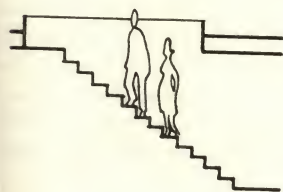
ADD LETTER **P** TO MODEL NUMBER TO SPECIFY PLEXIGLAS. EXAMPLE: 6-102 P

EASY ACCESS **roof hatches**

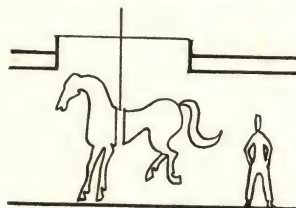
16j
Ba

DOUBLE-LEAF TYPE · STANDARD MODELS

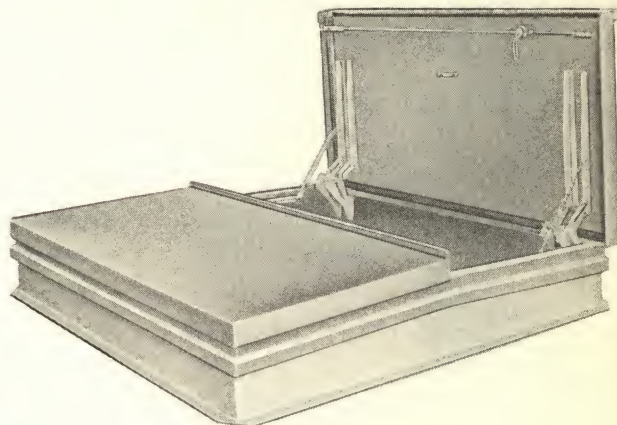
COMPLETE, READY TO INSTALL SPECIFY BY MODEL NUMBER



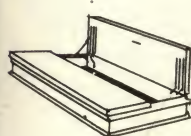
WIDE STAIRS



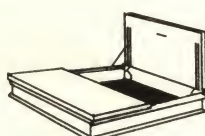
VARIOUS ACCESS USES



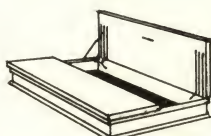
Double-leaf hatches are for use where large openings are required. They are manufactured in a combination of standard materials and sizes. Special materials and sizes up to 10' by 20' are available when specified. Aluminum covers are recommended for sizes larger than 5' by 11'.



5'-0" by 11'-0"



6'-0" by 11'-0"



8'-0" by 8'-0"

COVER INSULATION
FIBERGLAS CORK

6-401 4-401
803 lb 803 lb

COVER INSULATION
FIBERGLAS CORK

6-503 4-503
1020 lb 1020 lb

COVER INSULATION
FIBERGLAS CORK

6-603 4-603
990 lb 990 lb

MATERIALS AND MODEL NUMBERS

SHEET STEEL COVER AND CURB, PRIME PAINTED
Shipping Weight

6-402 4-402
803 lb 803 lb

*GALVANIZED STEEL COVER AND CURB
Shipping Weight

6-403 4-403
750 lb 750 lb

6-504 4-504
815 lb 815 lb

6-604 4-604
790 lb 790 lb

ALUMINUM COVER AND *GALVANIZED STEEL CURB
Shipping Weight

6-404 4-404
500 lb 500 lb

ALUMINUM COVER AND CURB
Shipping Weight

6-405 4-405
803 lb 803 lb

COPPER COVER AND CURB
Shipping Weight

*Hot-dipped after fabrication

SPECIFICATION AND DETAIL FOR ROOF HATCHES

SPECIFICATION

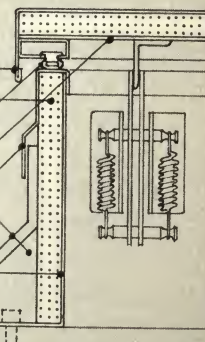
ROOF HATCH(ES). Provide and install B-D easy-access hatch, size — X —, model number —, manufactured by Babcock-Davis Associates, Inc., 474 Dorchester Avenue, Boston 27, Massachusetts. Roof hatches shall be factory assembled and shipped complete with compensating spring-hinges, ready for installation at the site.

MODEL NUMBERS WITH PREFIX 6 ARE INSULATED WITH 1" FIBERGLAS IN THE COVER AND 1" FIBERBOARD ON THE CURB.

MODEL NUMBERS WITH PREFIX 4 ARE INSULATED WITH 1" CORK IN THE COVER AND 1" CORK ON THE CURB.

SECTION

METAL COVER
1" INSULATION
NEOPRENE GASKET
METAL LINER
COUNTER FLASHING
CANT AND ROOFING
(BY OTHERS)
METAL CURB
1½" = 1'-0"



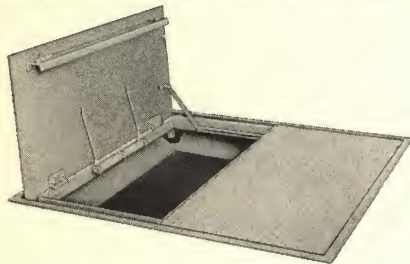
GUTTER-TYPE: SIDEWALK, MANHOLE, PIT HATCHES

B-D gutter-type hatches are rugged. In standard models they withstand loading of 300 lb./sq. ft. Special sizes and loadings up to 20 tons per unit also available.

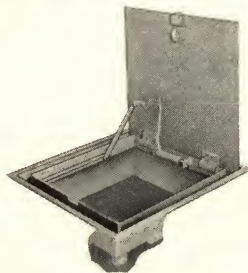
- Reinforced $\frac{1}{4}$ " diamond checked cover
- Heavy brass hinges, stainless steel pins

HEAVY DUTY FOR EXTERIOR OR INTERIOR USE AND WHERE DRAINAGE IS A REQUIREMENT

- B-D spiral spring lift plus hold-open bar
- Outside flush lift handle
- Formed gutters 3" wide by 2 $\frac{1}{2}$ " deep, concrete anchors, 1 $\frac{1}{2}$ " drainage coupling
- Inside lock bolt on double-leaf models; outside flush lock with special removable wrench on single-leaf models



DOUBLE-LEAF TYPE



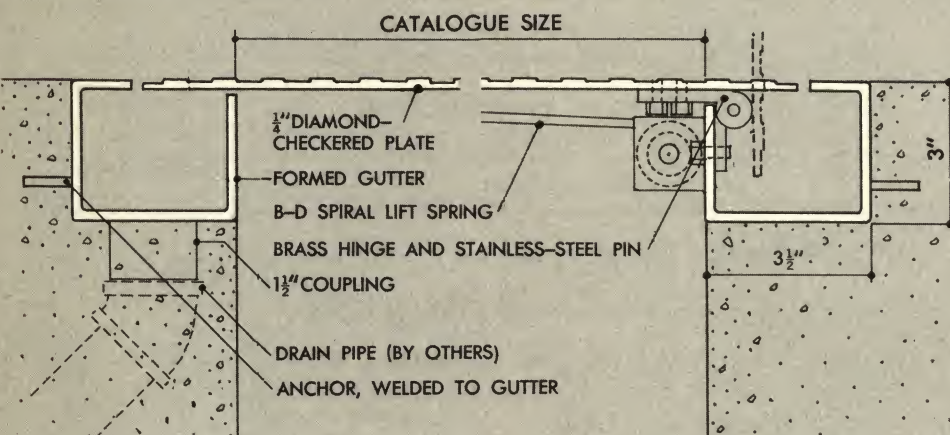
SINGLE-LEAF TYPE

COVER	2'-10"	3'-4"	3'-10"	2'-0"	2'-6"	2'-6"	3'-0"	3'-6"
MATERIALS	by	by	by	by	by	by	by	by
With steel frames	3'-4"	3'-10"	3'-10"	3'-10"	2'-6"	3'-0"	3'-0"	3'-6"
STEEL (PAINTED)	GT14	GT15	GT16	AM21	AM22	AM24	AM23	AM25
Shipping weight	252 lb	315 lb	357 lb	120 lb	158 lb	182 lb	216 lb	292 lb
*GALVANIZED	GT141	GT151	GT161	AM211	AM221	AM241	AM231	AM251
Shipping weight	265 lb	331 lb	375 lb	126 lb	166 lb	191 lb	227 lb	306 lb
ALUMINUM	GT142	GT152	GT162	AM212	AM222	AM242	AM232	AM252
Shipping weight	126 lb	158 lb	179 lb	60 lb	79 lb	91 lb	108 lb	146 lb

*Hot-dipped after fabrication

SECTION

3"=1'-0"



SPECIFICATIONS

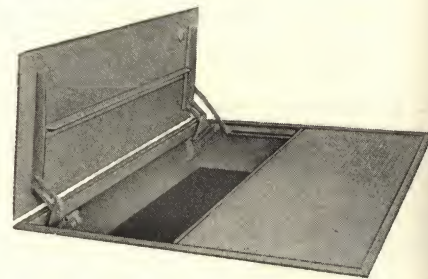
GUTTER-TYPE HATCH(ES). Provide and install B-D gutter-type hatch, size $_\times_\$, model number $_\$, manufactured by Babcock-Davis Associates, Inc., 474 Dorchester Avenue, Boston 27, Massachusetts. Hatch(es) shall be factory assembled and shipped

complete with spiral spring-hinges, ready for installation at the site.

TO SPECIFY OUTSIDE FLUSH LOCK ON DOUBLE-LEAF TYPE, ADD LETTERS **WL** TO MODEL NUMBER. EXAMPLE: GT14-WL

FLUSH FLOOR HATCHES EXPOSED METAL COVER

B-D flush floor hatches are for interior use where easy access is required through a floor that must have no obstructions on the exposed surface. In standard materials and sizes they withstand loading of 150 lb./sq. ft. Special sizes and loadings are available when specified.



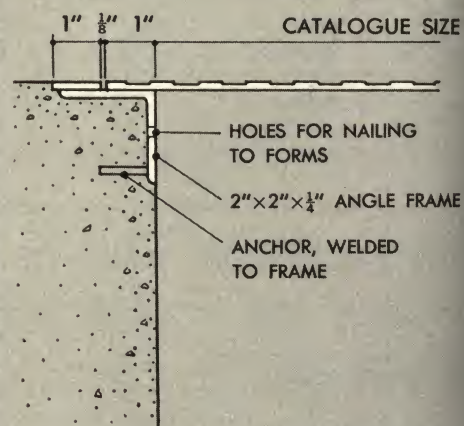
DOUBLE-LEAF TYPE

COVER	2'-10"	3'-4"	3'-10"
MATERIALS	by	by	by
With steel frames	3'-4"	3'-10"	3'-10"
STEEL (PAINTED)	F1500	F1600	F1700
Shipping weight	242 lb	302 lb	341 lb
*GALVANIZED	F1501	F1601	F1701
Shipping weight	254 lb	317 lb	358 lb
ALUMINUM	F1502	F1602	F1702
Shipping weight	121 lb	151 lb	171 lb

*Hot-dipped after fabrication

SECTION

3"=1'-0"



SPECIFICATIONS

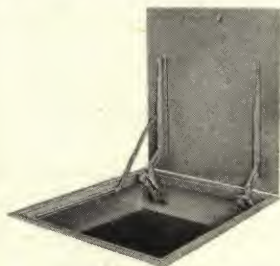
FLOOR HATCH(ES). Provide and install B-D flush floor hatch, size $_\times_\$, model number $_\$, manufactured by Babcock-Davis Associates, Inc., 474 Dorchester Avenue, Boston 27, Massachusetts. Hatch(es) shall be factory assembled and shipped complete with

floor access hatches

16j
Ba

FOR INTERIOR USE WHERE
HARD USAGE IS ENCOUN-
TERED, FLUSH CONSTRUCTION

- Flush construction, no surface projections
- Reinforced $\frac{3}{16}$ " diamond-checked cover
- Compensating spring hinges
- Hold-open, safety-lock bar
- Outside flush lift handle
- Welded anchors for concrete
- Holes for fastening to concrete forms

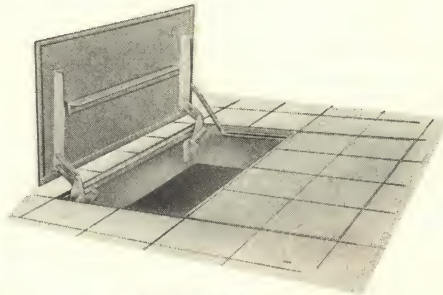


SINGLE-LEAF TYPE

2'-0"	2'-6"	2'-6"	3'-0"	3'-6"
by	by	by	by	by
2'-0"	2'-6"	3'-0"	3'-0"	3'-6"
F1800	F1900	F2000	F2100	F2200
140 lb	160 lb	174 lb	200 lb	278 lb
F1801	F1901	F2001	F2101	F2201
147 lb	168 lb	183 lb	210 lb	291 lb
F1802	F1902	F2002	F2102	F2202
70 lb	80 lb	87 lb	100 lb	139 lb

FLUSH-TILE (RECESSED- COVER) FLOOR HATCHES

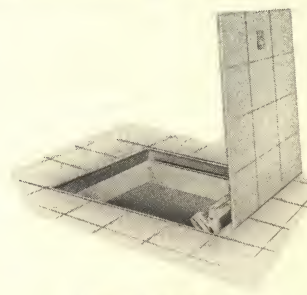
B-D flush-tile floor hatches are for use where application of resilient tile to hatch cover is required. Edge-strips on both the recessed cover and curb serve as tile-stops. In stand-ard materials and sizes they withstand loading of 150 lb./sq. ft. Special sizes and loadings also available.



DOUBLE-LEAF TYPE

FOR INTERIOR USE WHERE
FLUSH CONSTRUCTION AND
APPEARANCE ARE REQUIRED

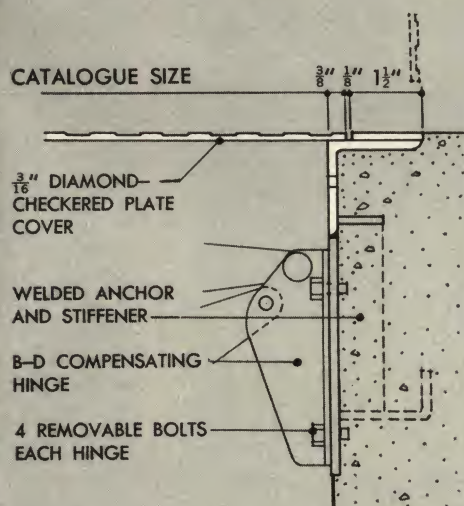
- $\frac{3}{16}$ " smooth steel cover recessed $\frac{3}{16}$ "
- Aluminum tile-stops on cover and curb
- Compensating spring hinges
- Hold-open, safety-lock bar
- Outside flush lift handle
- Welded anchors for concrete
- Holes for fastening to concrete forms



SINGLE-LEAF TYPE

COVER	2'-10"	3'-4"	3'-10"	2'-0"	2'-6"	2'-6"	3'-0"	3'-6"
MATERIALS	by	by	by	by	by	by	by	by
With steel frames	3'-4"	3'-10"	3'-10"	2'-0"	2'-6"	3'-0"	3'-0"	3'-6"
STEEL	FT2300	FT2400	FT2500	FT2600	FT2700	FT2800	FT2900	FT3000
Shipping weight	212 lb	263 lb	300 lb	130 lb	140 lb	152 lb	177 lb	244 lb

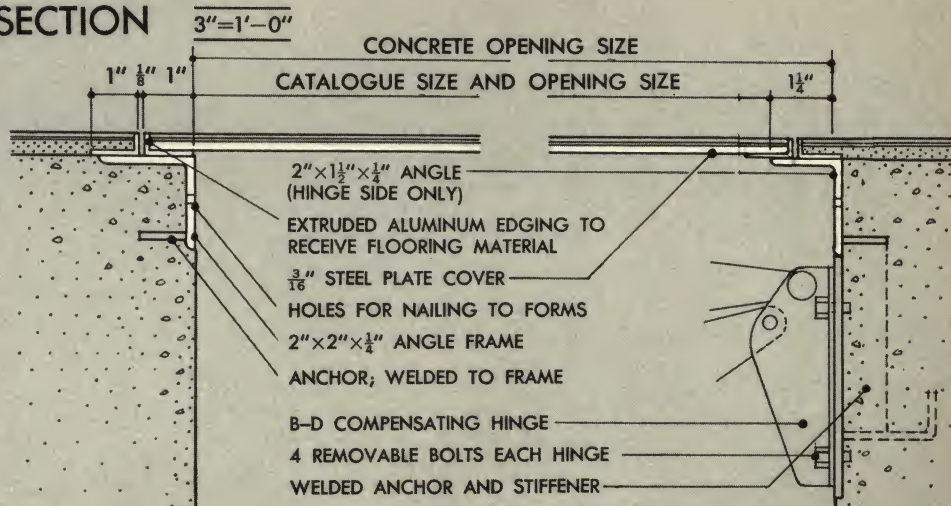
THIS MODEL HAS A PLAIN STEEL COVER, STEEL FRAME, AND ALUMINUM EDGING



compensating spring hinges, ready for in-
stallation at the site.

THIS HATCH IS NOT DESIGNED FOR EX-
TERIOR USE. SEE GUTTER-TYPE HATCHES
AT THE LEFT FOR USE OUTSIDE.

SECTION



SPECIFICATIONS

FLOOR HATCH(ES). Provide and install B-D
flush-tile floor hatch, size $_\times_\$, model
number $_\$, manufactured by Babcock-Davis
Associates, Inc., 474 Dorchester Avenue,
Boston 27, Massachusetts. Hatch(es) shall
be factory assembled and shipped

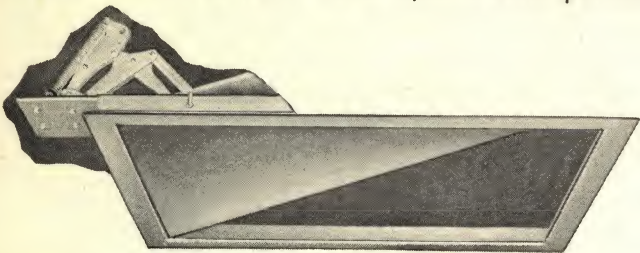
complete with compensating spring hinges,
ready for installation at the site.

FOR ALL UNUSUAL HATCH PROBLEMS,
CONTACT BABCOCK-DAVIS/-PIONEER,
LEADER IN SUPPLYING BETTER HATCHES.

ceiling hatches

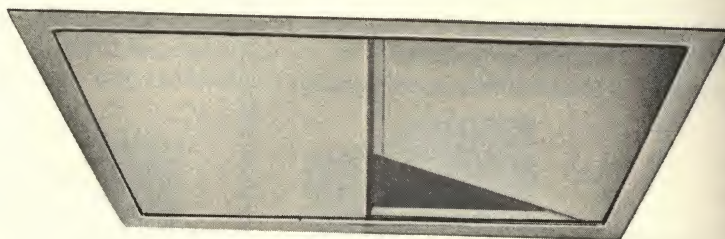
SINGLE-LEAF TYPE CEILING HATCHES

B-D easy-access, single-leaf ceiling hatches are manufactured in the standard models given below and in special sizes and materials when specified. They are equipped with compensating hinges which hold the hatch in either open or closed position.



DOUBLE-LEAF TYPE CEILING HATCHES

B-D easy-access, double-leaf ceiling hatches are for use where head room is restricted or where openings too large for single-leaf hatches are required. They are equipped with compensating hinges which hold the hatch in either open or closed position.



MADE TO OPEN DOWN WHERE HEADROOM IS LIMITED

MATERIALS

2'-6"	2'-6"
by	by
2'-6"	3'-0"

STEEL FRAME AND PLAIN STEEL COVER

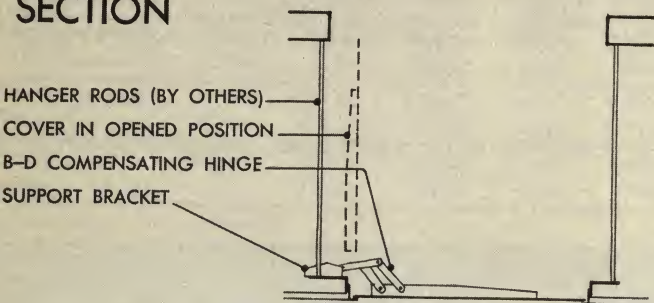
Shipping Weight	CH3100	CH3200
	100 lb	134 lb

STEEL FRAME AND ALUMINUM

Shipping Weight	CH3101	CH3201
	96 lb	124 lb

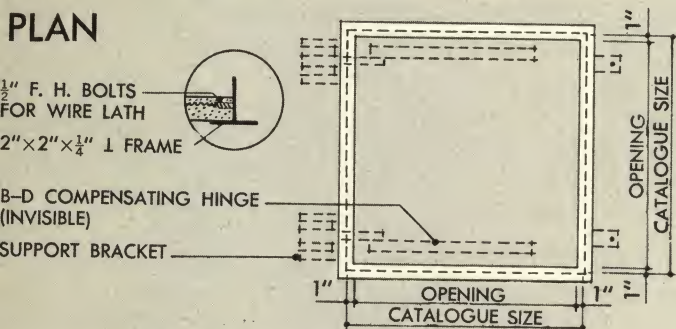
DOUBLE-LEAF CEILING HATCHES ARE MADE TO ANY REASONABLE SIZE FROM STEEL OR ALUMINUM. IN ORDERING, GIVE THE MODEL NUMBER **CH3300 CUSTOM** AND SPECIFY SIZE AND MATERIALS DESIRED.

SECTION

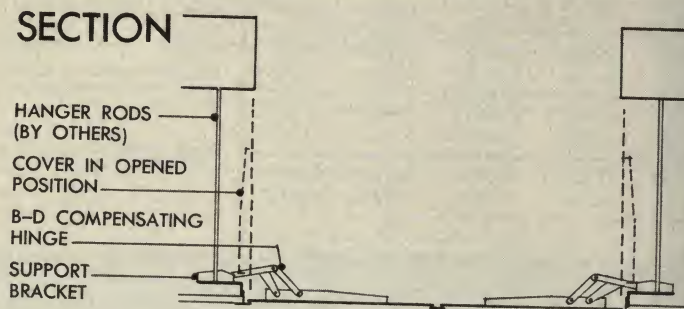


TRACING DETAIL $\frac{1}{2}"=1'-0"$

PLAN

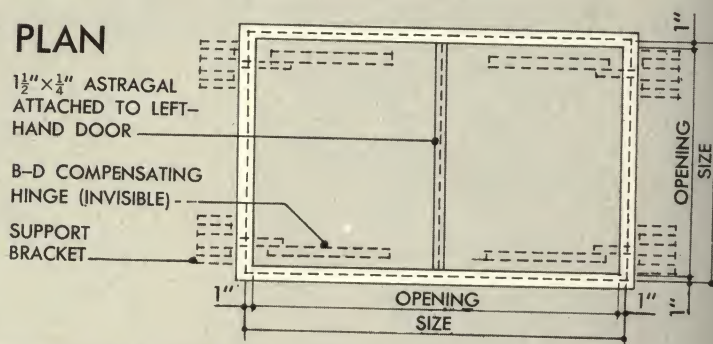


SECTION



TRACING DETAIL $\frac{1}{2}"=1'-0"$

PLAN



SPECIFICATIONS (SINGLE-LEAF OR DOUBLE-LEAF)

CEILING HATCH(ES). Provide and install B-D ceiling hatch(es), size $\text{---} \times \text{---}$, model number --- , manufactured by Babcock-Davis Associates, Inc., 474 Dorchester Avenue, Boston 27, Massachusetts. Hatch(es) shall be factory assembled and shipped complete with compensating spring hinges, ready for installation at the site.

- ON SINGLE-LEAF CEILING HATCHES, SPECIFY DOWN-OPENING COVER BY ADDING THE LETTER **D** TO MODEL NUMBER. EXAMPLE: CH3100D

- FOR DOUBLE-LEAF CEILING HATCHES, USE THE MODEL NUMBER **CH3300 CUSTOM** AND SPECIFY SIZE AND DESIRED FRAME AND COVER MATERIAL.

BABCOCK-DAVIS ASSOCIATES INC.

474 DORCHESTER AVENUE · BOSTON 27 · MASSACHUSETTS

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